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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/084,067	02/28/2002	Shizuka Yamaguchi	381NP/50923	6444
23911 7	7590 03/12/2004		EXAMINER	
	& MORING LLP	TD.	MOULIS, TH	HOMAS N
INTELLECTUAL PROPERTY GROUP P.O. BOX 14300			ART UNIT	PAPER NUMBER
WASHINGTO	ON, DC 20044-4300		3747	
			DATE MAILED: 03/12/2004	4
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Please find below and/or attached an Office communication concerning this application or proceeding.

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	A	oplication No.	Applicant(s)	V
Office Action Summary		0/084,067	YAMAGUCHI ET AL	
		caminer	Art Unit	
	Th	nomas N Moulis	3747	
The MAILING DATE of this con Period for Reply	munication appear	s on the cover sheet (with the correspondence addr	ess
A SHORTENED STATUTORY PERIOD THE MAILING DATE OF THIS COMITION OF THIS COMITION OF THIS COMITION OF THE MAILING DATE OF THIS COMITION OF THE MAILING T	MUNICATION. visions of 37 CFR 1.136(a) s communication. hirty (30) days, a reply with num statutory period will ap or reply will, by statute, caus onths after the mailing date	. In no event, however, may a fin the statutory minimum of the oply and will expire SIX (6) MC se the application to become a	a reply be timely filed irty (30) days will be considered timely. DNTHS from the mailing date of this comma ABANDONED (35 U.S.C. § 133).	nunication.
Status				
 Responsive to communication(This action is FINAL. Since this application is in concluded in accordance with the property of the proper	2b)⊠ This act lition for allowance	tion is non-final. except for formal ma	•	nerits is
Disposition of Claims				
4) Claim(s) 1-15 is/are pending in 4a) Of the above claim(s) 5) Claim(s) is/are allowed. 6) Claim(s) 1-15 is/are rejected. 7) Claim(s) is/are objected 8) Claim(s) are subject to r	_ is/are withdrawn f			
Application Papers				
9) The specification is objected to 10) The drawing(s) filed on 2/28/02 Applicant may not request that any Replacement drawing sheet(s) inc 11) The oath or declaration is objective.	is/are: a) accep objection to the draw	wing(s) be held in abeyons is required if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 CFR	` '
Priority under 35 U.S.C. § 119				
12) Acknowledgment is made of a can a) All b) Some * c) None 1. Certified copies of the property Certified copies of the property Copies of the certified copies of the property Copies of the certified copies of the property Copies of the certified copies of the property Copies of the certified copies of the certified copies of the certified copies of the property Copies of the certified copies of the cert	of: iority documents ha iority documents ha pies of the priority rnational Bureau (P	ave been received. ave been received in documents have bee CT Rule 17.2(a)).	Application No In received in this National St	age
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Rev 3) Information Disclosure Statement(s) (PTO-14 Paper No(s)/Mail Date		Paper No	v Summary (PTO-413) o(s)/Mail Date f Informal Patent Application (PTO-1	52)

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DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by Ecer et al ('247).

The reference teaches hardening of steel components using layers of carbonnitriding and carbon film. SEE column 2 for discussion of the well known technique of hardening steel to make it more durable and wear resistant.

Response

to Arguments

Applicant's arguments with respect to claims 1-15 have been considered but are moot in view of the new ground(s) of rejection.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thomas N Moulis whose telephone number is 703 308-2618. The examiner can normally be reached on M-Th.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry Yuen can be reached on 703 308-1946. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Thomas N. Moulis Primary Examiner